



Model Number 102B11	ICP® PRESSURE SENSOR			Revision: C ECN #: 51804										
<p>Performance</p> <p>Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity Maximum Pressure(step) Maximum Pressure(Total) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity</p> <p>Environmental</p> <p>Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Shock</p> <p>Electrical</p> <p>Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage</p> <p>Physical</p> <p>Sensing Element Housing Material Thread Adaptor Material Diaphragm Sealing Electrical Connector Weight</p>	<p>ENGLISH</p> <p>1 kpsi 2,000 psi 5.0 mV/psi 10,000 psi 15 kpsi 20 mpsi ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS</p> <p>≤ 0.002 psi/g -320 to +212 °F ≤ 0.06 %/°F 20,000 g pk</p> <p>Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 9 to 13 VDC</p> <p>Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack .388 oz</p>	<p>SI</p> <p>6,895 kPa 13,790 kPa 0.725 mV/kPa 69,000 kPa 103,425 kPa 0.138 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS</p> <p>≤ 0.0014 kPa/(m/s²) -196 to +100 °C ≤ 0.108 %/°C 196,133 m/s² pk</p> <p>Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 9 to 13 VDC</p> <p>Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 11.00 gm</p>	<p>OPTIONAL VERSIONS</p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p>M - Metric Mount Optional Accessory: Model 065A34 Seal ring 0.435" OD x 0.397" ID x 0.030" Cu (3)</p>											
<p>NOTES:</p> <p>[1]Excitation voltage >=28 volts required. [2]Due to high sensitivity, the static pressure should be applied and removed very slowly. Rate should prevent more than 10 Volt change in output until Output Bias Voltage returns to normal (approximately 15 times discharge time constant). [3]Zero-based, least-squares, straight line method. [4]See PCB Declaration of Conformance PS023 for details.</p>														
<p>SUPPLIED ACCESSORIES:</p> <p>Model 065A44 Seal ring 0.435" OD x 0.377" ID x 0.030" thk Cu (3)</p>														
<table border="1"> <tr> <td>Entered: RB</td> <td>Engineer: MP</td> <td>Sales: MV</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/18/2021</td> <td>Date: 06/18/2021</td> <td>Date: 06/18/2021</td> <td>Date: 06/18/2021</td> <td>70581</td> </tr> </table>					Entered: RB	Engineer: MP	Sales: MV	Approved: RPF	Spec Number:	Date: 06/18/2021	Date: 06/18/2021	Date: 06/18/2021	Date: 06/18/2021	70581
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<p> [4]</p> <p>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Piezotronics, Inc.</p> <p> Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043</p>														